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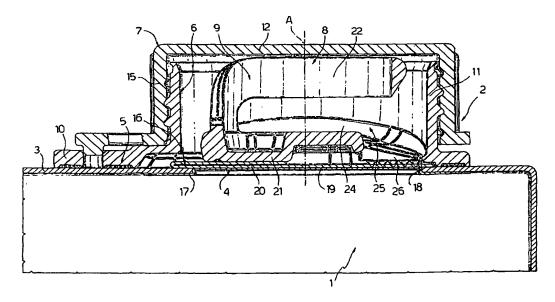
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(54) Title: SEALED PACKAGE FOR POURABLE FOOD PRODUCTS



(57) Abstract: There is described a sealed package (1) for pourable food products, having a removable portion (4) and a closable opening device (2). The opening device (2) has a frame (5) defining a pour opening (6) and fixed to the package (1) about the removable portion (4); a cap (7) fitted to the frame (5) to close the pour opening (6) and movable to free the pour opening (6); pull-off opening means (8) housed in the frame (5) and having a rigid plate (9) integral with the removable portion (4) and extractable from the frame (5), by pulling action, together with part of the removable portion (4); and a pull-tab (16) of sheet material interposed between the removable portion (4) and the plate (9) and attached to both.



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A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER B65D5/74			
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C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the rel	levant passages	Relevant to claim No.	
Υ	EP 0 658 480 A (TETRA LAVAL HOLD) FINANCE) 21 June 1995 (1995-06-2) column 4, line 2 -column 5, line figures 1-12	1)	1-5	
Υ	EP 0 943 549 A (LORRAINE CAPSULES 22 September 1999 (1999-09-22) column 2, line 33 -column 3, line figures 1-3	1–5		
А	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 08, 29 August 1997 (1997-08-29) & JP 09 095330 A (NIPPON PAPER II LTD), 8 April 1997 (1997-04-08) abstract	ND CO	1–7	
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X Furt	ther documents are listed in the continuation of box C.	Patent family members are listed	n annex.	
° Special ca	ategories of cited documents:	T later document published after the Inte- or priority date and not in conflict with		
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PCT/EP 03/11308

		PC1/EP 03/11308		
	ition) DOCUMENTS CONSIDERED TO BE RELEVANT		3	
Category °	Cltation of document, with Indication, where appropriate, of the relevant passages		elevant to claim No.	
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 21, 3 August 2001 (2001-08-03) & JP 2001 114324 A (TOPPAN PRINTING CO LTD), 24 April 2001 (2001-04-24) abstract		1-7	
Α	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 11, 3 January 2001 (2001-01-03) & JP 2000 229630 A (DAINIPPON PRINTING CO LTD), 22 August 2000 (2000-08-22) abstract		1–7	
A	US 4 258 876 A (LJUNGCRANTZ BILLY) 31 March 1981 (1981-03-31) column 3, line 10 -column 5, line 15		1-7	
A	EP 0 340 339 A (INT PAPER CO) 8 November 1989 (1989-11-08) column 4, line 6 - line 30; figures 1-3		1-6	
			•	

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/EP 03/11308

	ent document in search report		Publication date		Patent family member(s)	Publication date
FP (0658480	Α	21-06-1995	SE	501329 C2	16-01-1995
_, ,	0000700	••	00 1000	AT	154313 T	15-06-1997
				AU	679280 B2	26-06-1997
				AU	8049194 A	22-06-1995
				CA	2138307 A1	18-06-1995
				DE	69403762 D1	17-07-1997
				EP	0658480 A1	21-06-1995
				ES	2102758 T3	01-08-1997
				JP	3461942 B2	27-10-2003
				JP	7277324 A	24-10-1995
			,	RU	2126348 C1	20-02-1999
				SE	9304200 A	16-01-1995
				US US	5484101 A	16-01-1995
						ره هه هم هم که مله سه دی بریز یاد وی به به به به به به در در وی ا
ΕP	0943549	Α	22-09-1999	FR	2775955 A1	17-09-1999
				ΑT	254071 T	15-11-2003
				AU	2735499 A	11-10-1999
				CA	2262061 A1	16-09-1999
				DE	69819679 D1	18-12-2003
				DE	69819679 T2	15-04-2004
				DK	943549 T3	23-02-2004
				ΕP	0943549 A1	22-09-1999
				WO	9947425 A1	23-09-1999
JP	09095330	 А	08-04-1997	JP	3025439 B2	27-03-2000
				DE	69619173 D1	21-03-2002
				DE	69619173 T2	14-08-2002
				EP	0755862 A2 ·	29-01-1997
JP	2001114324	A	24-04-2001	NONE		
JP	2000229630	A	22-08-2000	NONE	·	
บร	4258876	Α	31-03-1981	СН	627700 A5	29-01-1982
		•		AT	365146 B	10-12-1981
				AT	282679 A	15-05-1981
				ΑU	535057 B2	01-03-1984
				ΑU	4592679 A	25-10-1979
				BR	7902306 A	23-10-1979
	•			CA.	1106298 A1	04-08-1981
				DE	2960555 D1	05-11-1981
				EP	0004932 A2	31-10-1979
				ES	8102040 A1	01-04-1983
				ES	8100202 A1	16-01-198
				JP	1414030 C	10-12-1987
				JP	54140679 A	01-11-1979
				ĴΡ	62022871 B	20-05-198
			•	MX	148388 A	18-04-198
				ÜS	4464154 A	07-08-198
				US	4830273 A	16-05-1989
 EP	0340339	Α	08-11-1989	0.5		
EP	0340339	Α	08-11-1989		1313642 C	16-02-199
EP	0340339	A	08-11-1989	CA EP		16-02-1993 08-11 - 1989